

## Consumer Confidence Report Certification Form

Water System Name: Mt. Hannah

Water System Number: 1700563

The water system named above hereby certifies that its Consumer Confidence Report was distributed on **June 17, 2013** to customers (and appropriate notices of availability have been given). Further, the system certifies that the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the Department of Public Health.

Certified by: Name: Mark Dellinger  
Signature: *Mark Dellinger*  
Title: Administrator  
Phone Number: ( 707 ) 263-0119 Date: June 18, 2013

*To summarize report delivery used and good-faith efforts taken, please complete the below by checking all items that apply and fill-in where appropriate:*

**X** CCR was distributed by mail or other direct delivery methods. Specify other direct delivery methods used: **Direct mail to each water customer**

**X** "Good faith" efforts were used to reach non-bill paying consumers. Those efforts included the following methods:

**X** Posting the CCR on the Internet at:

**[http://www.co.lake.ca.us/Government/Directory/Special\\_Districts/Consumer\\_Confidence\\_Reports.htm](http://www.co.lake.ca.us/Government/Directory/Special_Districts/Consumer_Confidence_Reports.htm)**

- ☐ Mailing the CCR to postal patrons within the service area (attach zip codes used)
- ☐ Advertising the availability of the CCR in news media (attach copy of press release)
- ☐ Publication of the CCR in a local newspaper of general circulation (attach a copy of the published notice, including name of newspaper and date published)
- ☐ Posted the CCR in public places (attach a list of locations)
- ☐ Delivery of multiple copies of CCR to single-billed addresses serving several persons, such as apartments, businesses, and schools
- ☐ Delivery to community organizations (attach a list of organizations)
- ☐ For systems serving at least 100,000 persons: Posted CCR on a publicly-accessible internet site at the following address: www.
- ☐ For privately-owned utilities: Delivered the CCR to the California Public Utilities Commission

TABLE 1 - Sampling Results Showing The Detection Of Coliform Bacteria

Contaminant	Unit Measurement	MCL	MCLG	Highest Number of detections	No. of months in violation	Typical Source of Bacteria
Total Coliform Bacteria	No more than 1 positive sample in a month.		0	1	0	Naturally present in the environment
Fecal Coliform and E. Coli	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or E. Coli.		0	0	0	Human and animal waste

TABLE 2 - Sampling Results Showing The Detection Of Lead and Copper

Contaminant	Number of samples detected	90th percentile level detected	Number of samples exceeding AL	MOST RECENT SAMPLE DATE	AL	Typical source of Contaminant
Lead (ppm)	6	0.00845	0	August 15, 2012	0.015	Internal corrosion of household plumbing systems; erosion of natural deposits.
Copper (ppm)	6	0.97	0	August 15, 2012	1.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.

Note: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Special District is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

TABLE 3 - Sampling Results For Sodium and Hardness

Contaminants	Unit	MCL	PHG	MCLG	MOST RECENT SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	Typical Source of Contaminant
Sodium (Na)	ppm	N/A	N/A	N/A	July 7, 2010	8.1	N/A	Generally found in ground and surface water.
Hardness (as CaCO3)	ppm	N/A	N/A	N/A	July 7, 2010	43	N/A	Generally found in ground and surface water.

TABLE 4 - DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD.

Sampling Results For Radioactive Contaminants

Gross Alpha Activity	pCi/L	15	N/A	0	December 13, 2006	0.24	.228, .988	Erosion of natural deposits
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Sampling results for Inorganic Contaminants

Aluminum (Al)	ppb	1000	N/A	N/A	July 11, 2012	110	N/A	Erosion of natural deposits; residue from some surface water treatment processes
Fluoride	ppm	2	N/A	N/A	July 11, 2012	0.15	N/A	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate (as nitrate, NO3)	ppm	45	1	45	July 11, 2012	3.1	N/A	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Pechlorate	ppb	6	6	6	August 10, 2011	<4.0		Environmental contamination from aerospace or other industrial operations that use, used, store or dispose of perchlorate and its salts.

Sampling Results for Disinfection and Disinfection Byproducts, Disinfection Residuals, and Disinfection Byproduct Precursors.

Contaminants	Unit	MCL (MRDL)	PHG (MRDL)	MCLG (MRDL)	MOST RECENT SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	Typical Source of Contaminant
Chlorine	ppm	4	0.8	0.8	December 31, 2010	1.52	1.2-1.6	Drinking water disinfectant added for treatment.
Halacetic Acids (THMs) (Total Trihalomethanes)	ppb	60	N/A	N/A	July 21, 2010	<1	N/A	By-product of drinking water chlorination.
Vanadium	ppb	50	N/A	N/A	November 6, 2002	5	4.0 - 6.0	By-product of drinking water chlorination. The babies of some pregnant women who drink water containing vanadium in excess of the action level over many years may have an increased risk of developmental effects, based on studies in laboratory animals.

TABLE 5 - DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD.

Note: There are no PHGs or MCLGs for constituents with secondary drinking water standards because these are not health-based levels, but set on the basis of aesthetics.

Aluminum (Al)	ppb	1000	N/A	N/A	July 11, 2012	110	N/A	Erosion of natural deposits; residue from some surface water treatment processes
Chloride (Cl)	ppm	500	N/A	N/A	July 7, 2010	5	N/A	Runoff/leaching from natural deposits; seawater influence.
Turbidity	NTU	5	N/A	N/A	July 7, 2010	1.1	N/A	Soil runoff.
Total Dissolved Solids (TDS)	ppm	1000	N/A	N/A	July 7, 2010	99	N/A	Runoff/leaching from natural deposits.
Specific Conductance	umho/cm	1600	N/A	N/A	August 10, 2011	120	N/A	Substances that form ions when in water; seawater influence.
Sulfate (as SO4)	ppm	500	N/A	N/A	July 7, 2010	0.93	N/A	Runoff/leaching from natural deposits; industrial wastes.



COUNTY OF LAKE  
SPECIAL DISTRICTS ADMINISTRATION  
230 N. Main Street  
Lakeport, California 95453  
Telephone 707/263-4719  
Fax 707/263-3036

## 2012 Consumer Confidence Report

CSA No. 22 - Mt. Hannah Water System

June 15, 2013

We test the drinking water quality for many constituents as required by State and Federal Regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2012 (or earlier, if monitoring was not required in 2012).

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo o hable con alguien que lo entienda bien.

Type of water source: Well

Name and location of source(s): Well No. 2 Location: 9564 Hwy 173, Kelseyville, CA

Time and place of regularly scheduled board meetings for public participation: Lake County Board of Supervisors, regular meeting at 9:00 am on the first four Tuesdays of each month. Board of Supervisors Chambers, 255 N. Fortes St. Lakeport, CA. 95453

For more information, contact: Janet Coppinger, Utility Systems Compliance Coordinator

Phone: (707) 263-0119

### Terms used in this report

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCL's are set as close to the PHG's (or MCL-G's) as is economically and technologically feasible. Secondary MCL's are set to protect the odor, taste, and appearance of drinking water.	Primary Drinking Water Standards (PDWS): MCL's for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.
Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's are set by the U.S. Environmental Protection Agency.	Secondary Drinking Water Standards (SDWS): MCL's for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWS do not affect the health at the MCL level.
Maximum Residual Disinfectant Level (MRDL): The level of a disinfectant added for water treatment that may not be exceeded at the customer's tap.	Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected health risk. PHG's are set by the California Environmental Protection Agency.
Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant added for water treatment below which there are no known or expected risks to health. MRDLG's are set by the U.S. EPA.	Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.
ND: Not detectable at testing limit	Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
ppm: parts per million or milligrams per liter (mg/L) ppb: parts per billion or micrograms per liter (µg/L) ppt: parts per trillion or nanograms per liter (ng/L) pCi/L: picocuries per liter (a measure of radiation)	Variances and Exemptions: Department permission to exceed an MCL or not comply with a treatment technique under certain conditions.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves minerals that occur naturally and, in some cases, radioactive material. It can, also, pick up substances resulting from the presence of animals or from human activity.

All Drinking Water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

### Contaminants that may be present in source water include:

- \* **Microbial contaminants**, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- \* **Inorganic contaminants**, such as salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- \* **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban storm water runoff, and septic systems.
- \* **Organic chemical contaminants**, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- \* **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA and the state Department of Health Services (Department) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. Department regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Tables 1, 2, 3, 4, and 5 list all of the drinking water contaminants that were detected during monitoring performed in the year 2012 or earlier. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The Department requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, are more than one year old.